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Trudi Thompson

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PATENT

Applicant: **Naidu**
Serial No.: **10/021871**
Filed: **12/17/2001**
Title: **PROBIOTIC COMPOUNDS
DERIVED FROM
LACTOBACILLUS CASEI
STRAIN KE01**

Examiner: **Unknown**
Group Art Unit: **Unknown**
Atty Docket No.: **20424.12**

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J.P.
2/19/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PRELIMINARY AMENDMENT

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Commissioner for Patents
Washington, DC 20231

Sir:

Please amend the above-identified application as outlined below:

[0024] The present inventor has developed methods for preparing and packaging a new strain of *L. casei*, designated KE01. This new strain of *L. casei* was originally from a traditional fermented yoghurt-like Asian dairy product by the present inventor.

Subsequently, the present inventor characterized the isolate and the strain deposited with the American Type Culture Collection (ATCC, MD, USA)). *Lactobacillus casei* strain KE01 has been given the ATCC depository number PTA-3945. Moreover, the present inventor has developed preparations that maintain *L. casei* KE01 viability such that a clinically effective dose of viable probiotic microorganisms reaches the host.

[0038] One embodiment of the present invention is a dietary supplement comprising approximately from 10^5 to 10^{11} colony forming units of viable lactobacilli per gram. In another embodiment of the present invention the dietary supplement comprises from approximate 10^5 to 10^{11} non-viable lactobacilli per gram. The lactobacillus of the present invention is *Lactobacillus casei* strain KE01 having the American Type Culture Collection (ATCC) accession number PTA-3945. A colony forming unit (CFU) of *Lactobacillus casei* KE01 equates to one bacterial cell. Although

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